Welding Wire in the Wire-Drawing Process

TO A STATE OF THE PROPERTY OF

SOV/135-59-3-17/24

cam design (Fig. 2), was installed in an "ASIF-25" welder for thick wire (concrete reinforcement wire) and eliminated

the fault there. There are 2 diagrams and 1 table.

ASSOCIATION: Ural'skiy politekhnicheskiy institut im. S.M. Kirova (The

Urals Polytechnical Institute imeni S.M. Kirov)

Card 2/2

SOV/133-59-4-27/32

AUTHOR: Galaktio

Galaktionov, A.T., Candidate of Technical Sciences, and

Fofanov, A.A., Engineer

TITIE:

Butt Welding of High Carbon and Alloy Wire (Stykovaya

svarka vysokouglerodistoy i legirovannoy provoloki)

PERIODICAL: Stal', 1959, Nr 4, pp 374-377 (USSR)

ABSTRACT:

On the proposal of the Beloretsk Steel-Wire Works, the Ural Polytechnical Institute investigated causes of breakage of butt welded wire during drawing and developed methods of producing high quality joints for wire 1.5 to 6 mm in diameter from steels U9A, U1OA, 65G, 1Kh18N9T and alloys Kh15N6O and Kh2ON8O. The quality of the welded joints was determined on the basis of results of mechanical testing for strength, number of bends, hardness of the joint on neighbouring zones, technological drawing tests and metallographic studies. The following causes of breaks were established:

1) the presence of oxides in the joint (Fig 1 and 2);
2) deviation of the hardness and strength of metal in the joint and neighbouring zone from those of the main metal; 3) overheating of the metal in the joint with the

Card 1/3

SOV/133-59-4-27/32

Butt Welding of High Carbon and Alloy Wire

formation of a structure of low plasticity and 4) weakening of the point of weld during the removal of The dependence of mechanical properties of welded joints on the value of specific pressure applied during welding is shown in Fig 3 and the comparison of the results of mechanical and technological testing of welded joints of an alloy wire (1Kh18N9T) 6 mm in diameter welded by resistance and by melting in the table. It was found that the existing butt welding apparatus of low power cannot satisfy requirements of the modern wire drawing industry. For wire above 4 mm in diameter, it is necessary to design contact butt welding automatic equipment which welds by melting. Such equipment should be able to remove burrs directly after welding in hot plastic state and thermally treat the joint according to predetermined practice with retention at 500 to 600°C during cooling (to prevent hardening). Wire below 4 mm in diameter should be welded with an apparatus which can apply a small specific pressure at the beginning of welding (0.2 to 0.3 kg/mm2)

Card 2/3

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000413410003-5"

S07/133-59-4-27/32

Butt Welding of High Carbon and Alloy Wire

sharply increasing it at the end of the process. There are 5 figures and 1 table.

Ural'skiy politekhnicheskiy institut (Ural Polytechnical Institute) ASSOCIATION:

Card 3/3

CIA-RDP86-00513R000413410003-5" APPROVED FOR RELEASE: 08/23/2000

18(7)

307/125-59-7-4/19

AUTHOR:

Galaktionov, A.T., and Pofanov, A.A.

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TITLE:

Research on Butt-Welding of Carbon-Steel and Alloyed

Wire

PERIODICAL:

Avtomaticheskaya svarka, 1959, Mr 7, pp 21-26 (USSR)

ABSTRACT:

The process of wire drawing imposes exceptionally high requirements on the butt-wolded wire joints as regards their strength, plastic properties and absence of defects. If the strength of the joint is inferior to that of the base metal used, or if the joint is not plastic enough - both these factors may entail the wire breakage during the process of drawing. In this connection tests were conducted at the Ural Polytechnic Institute with a view to establishing the best method for butt-welding of wire 6 mm in diameter. It is to be noted that wire of this size is used as primary material for wire drawing, and can serve as a general example in judging the quality of welded joint. In order to find out the best conditions under which

Card 1/3

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Research on Butt-Welding of Carbon-Steel and Alloyed Wire

the above mentioned kind of welding should be performed, the effect of the different parameters was taken in consideration used in the process of welding, on the mechanical properties and structure of the welded joint. In the experimental stage, two methods of welding were tested: the flash-butt welding and the resistance welding. In the course of research it was established that the flash-butt welding is superior to the resistance welding, as it particularly improved the plastic properties of the weld. That is why it is necessary to construct automatic welders for flash-butt welding. These welders must be equipped with special designs for removing the remaining flash material immediately upon completion of the welding process, while the wire is still hot and plastic. The heat-affected zone at the flash-butt welling amounts to 5-8 mm, which is far less than at the resistance welding. The metal hardness in the heat-affected zone

Card 2/3

507/125-59-7-4/19

Research on Butt-Welding of Carbon-Steel and Alloyed Wire

approaches after the heat-treatment to the hardness of the base metal. The heat-treatment of welds obtained by both methods - flash and resistance - was the same. However, the steel test-pieces welded by the butt flash underwent breakage at a distance of 3-8 mm from the weld, whereas the pieces welded by resistance method were broken at the weld itself. There are 2 graphs 1 table, 1 diagram and 2 pictures.

ASSOCIATION: Ural'skiy politekhnicheskiy institut imeni S.M. Kirova (The Ural Tolytechnic Institute imeni S.M. Virov)

SUBVITTED: October 13, 1958

Card 3/3

FOFANOV, A. A., Cand Tech Sci -- (diss) "Research into the butt-welding of wire (applicable to the conditions of wire-drawing production)." Sverdlovsk, 1960. 16 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Ural'skiy Polytechnic Inst im S. M. Kirov); 150 copies; price not given; (KL, 19-60, 135)

FROLOV, V.V.; LAZAREV, B.L.; GAVRILYUK, L.Ya.; FOFAROV, A.A.

Operation of blast furnaces with fluxed sinter made of Tagil-Kushva region ores. Stal' 21 no. 4:296-299 Ap '61. (MIRA 14:4)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat i Ural'skiy institut chernykh metallov.

(Ural Mountains—Iron ores) (Blast furnaces)

FOFANOV, A.A., kand.tekhn.nauk; GAVRILYUK, L.Ya., inbh.; DUBROV, N.F.;
GORLACH, I.A.; PRIVALOV, S.S.

New developments in research. Stal' 21 no.5;402-403, 414 My '61.

(Ural Mountains—Metallurgical furnaces)

(Zhdanov—Blast furnaces)

TO STANDARD CONTRACTOR OF THE STANDARD CONTRACTOR CONTR

CIA-RDP86-00513R000413410003-5

BORISOV, Yu.S.; FOFANOV, A.A.

Investigation of the blast furnace process with introduction of Investigation of the blast furnace process with involute violation of the hearth. Stal' 21 no.61492-498 Je 161.

(MIRA 14:5)

1. Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov. (Blast furnaces)

(Petroleum as fuel)

FOFANCY, A.A., kand.tekhn.nauk; KHOVANETS, V.K., inzh.;

DROBININ, A.F., inzh.; FRAKHOV, A.I., inzh.

Elactric cutting of multicore cables with simultaneous welding of the cores at the severed ends. Svar. proizv. no.8:29-30
Ag '61. (MIRA 14:8)

1. Ural'skiy politekimicheskiy institut (for Pofanov, Rhovanets).
2. Sverdlovskiy NIPTIMASh (for Drobinin, Prakhov).

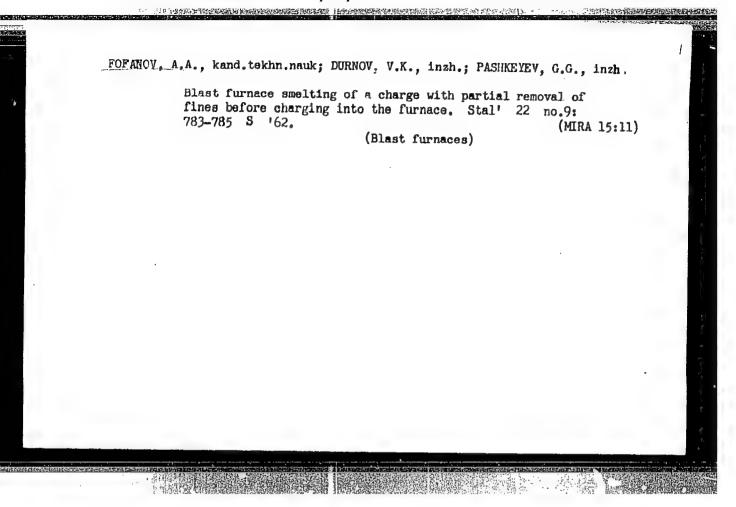
(Electric metal cutting)
(Electric cables)

KHOVANITS, V.K.; FOFANOV, A.A.; DROBININ, A.F.; PRAKHOV, A.I.

Automatic machine for measured electric cutting of multiple core conductors and the welding of their ends. Avtom. svar. 14 no.10:80-83 0 †61. (MIRA 14:9)

1. Ural'skiy politekhnicheskiy institut imeni S.M. Kirova (for Khovanets, Fofanov). 2. Sverdlovskiy NIPTIMAS! (for Drobinin, Brakhov).

(Electric conductors) (Electric metal cutting)



OSTROUKHOV, M.Ya.; PANCHENKO, S.I.; Prinimali uchastiye: FRISHBERG, V.D.;
PETROV, V.K.; RESHETKO, A.; VYATKIN, G.P.; BRATCHENKO, V.P.;
FORANOV, A.A.; MILYAYEV, M.N.; PRIVALOV, V.Ye.; MUSTAFIN, F.A.;
PUSHKASH, I.I.; LAZAREV, B.L.

Experimental blast furnace smelting using coke from wet preparation coals. [Sbor. trud.] Nauch.-issl.inst.met. no.4:63-70 '61. (MIRA 15:11)

1. Vostochnyy uglekhimicheskiy institut (for Ostroukhov, Panchenko, Frishberg, Petrov, Reshetko). 2. Nauchno-issledovateliskiy institut metallurgii (for Vyatkin, Bratchenko). 3. Nishne-Tagiliskiy metallurgicheskiy kombinat (for Privalov, Mustafin, Pushkash, Lasarev).

(Blast furnaces—Testing) (Coke—Testing)

GALAKTIONOV, A.T., kand. tekhn. nauk; SVIT, P.P., inzh.; FOFANOV, A.A., kand. tekhn. nauk

Modernizing the ASIF-25 machine. Svar. proizv. no.8:38-39 Ag '63. (MIRA 17:1)

1. Ural'skiy politekhnicheskiy institut im. S.M. Kirova.

SVIT, P.P., inzh.; FOFANOV, A.A., kand.tekhn.nauk; ZHURAVLEV, L.G., kand. tekhn.nauk

Butt welding of high-speed steel wire during drawing. Svar.proizv. no.4:25-26 Ap '64. (MIRA 18:4)

1. Uraliskiy politekhnicheskiy institut im. S.M.Kirova.

作。 第四条数据**数据,1987年,1987年,1987年,1987年,1987年,1987年,1987年,1987年,1987年,1987年,1987年,1987年,1987年,1987年,1987年,1987年,1987年**

FOFANOV, B.M.

Improvement of work organization is the most important factor in increasing labor productivity in test drilling. Uch.zap.

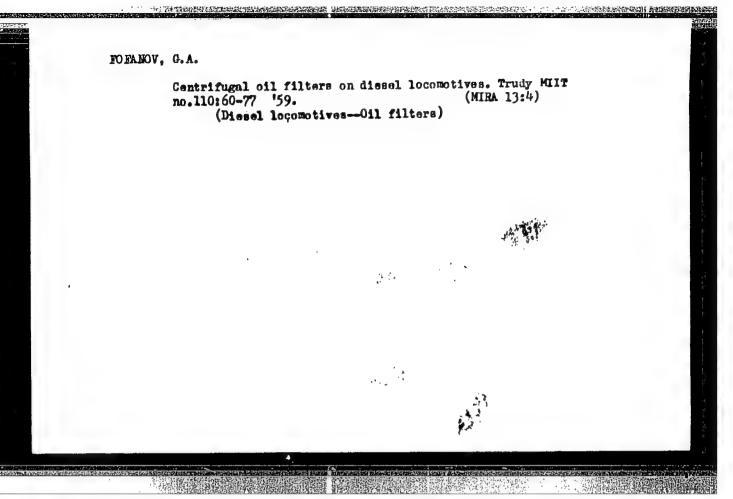
SAIGIMS no.5:135-142 '61. (MIRA 15:11)

(Soviet Central Asia—Boring—Labor productivity)

DZHAMALOV, O.B., doktor ekon. nauk; VOLOTKO, N.A.; YUN, D.N., kand. ekon. nauk; FOFONOV, B.M., kand. ekon. nauk; KALYAKIN, P.V., kand. ekon. nauk; DESYATCHIKOV, B.A., kand. ekon. nauk; KHUDKOVSKIY, A.B., kand. ekon. nauk; ARTYKOV, A., kand. ekon. nauk; FOKIN, A.I.; UL'MASOV, A., kand. ekon. nauk; YAKOVENKO, Ye., red.; BAKHTIYAROV, A., tekhn. red.

[Principles of the economics of Uzbekistan industry] Osnovy ekonomiki promyshlennosti Uzbekistana; uchebnoe posobie Tashkent, Gosizdat UzSSR, 1963. 282 p. (MIRA 17:1)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000413410003-5"



APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000413410003-5"

Effect of the method of purification of diesel oils on the microstructure of mechanical impurities. Trudy MIIT no.122: 132-137 '59. (MIRA 13:5)

VOLODIN, A.I., kami.tekhn.nauk; FOFANOV, G.A., inzh.

Systems for bench testing of diesel locomotives. Vest.TSHII 19
no.8:24-27 '60. (MIRA 13:12)

(Diesel locomotives---Testing)

VOLODIN, Aleksey Iosifovich, kand. tekhn. nauk; FOFANOV, Gleb
Aleksandrovich, inzh.; RYLEYEV, G.S., inzh., retsenzent;
KISELEVA, N.P., inzh., red.; VOROTNIKOVA, L.F., tekhn. red.

[Saving fuel in the operation of diesel locomotives] Ekonomiia
topliva na teplovozakh. Moskva, Vses. izdatel sko-poligr. obedinenie M-va soobshcheniia, 1962. 36 p. (MIRA 15:3)

(Diesel locomotives)

FOFANOV, G.A., inzh., red.; MEL'NIKOV, V.Ye., rad.; VOROTNIKOVA,
L.F., tekhn. red.

[Advanced methods for fuel economy on diesel locomotives]
Peredovye metody ekonomii topliva na teplovozakh; sbornik
statey. Moskva, Transzheldorizdat, 1963. 42 p.

(MIRA 16:8)

(Diesel locomotives—Fuel consumption)

VOLODIN, A.I., kand. tekhn. nauk; FOFANOV, G.A., inzh.; KISELEVA,
N.P., inzh., red.; VOROTNIKOVA, L.F., tekhn. red.

[Fuel economy in the operation of diesel locomotives] Ekonomize topliva na teplovozakh. Izd.2., dop. Moskva, Transzheldorizdat, 1963. 101 p. (MIRA 16:7)

(Diesel locomotives—Fuel consumption)

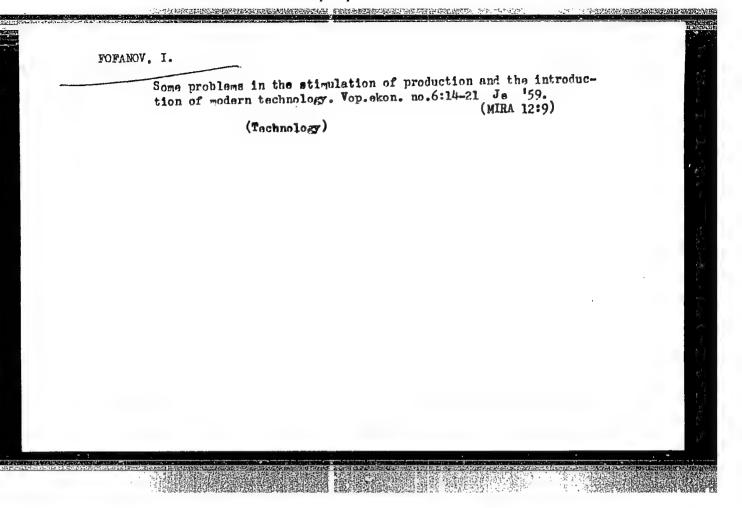
13.20年的支持的"的转动的自然的数据中的不是影响,但他是多数的思想的这个任何大笑的话,但是这一个意识。

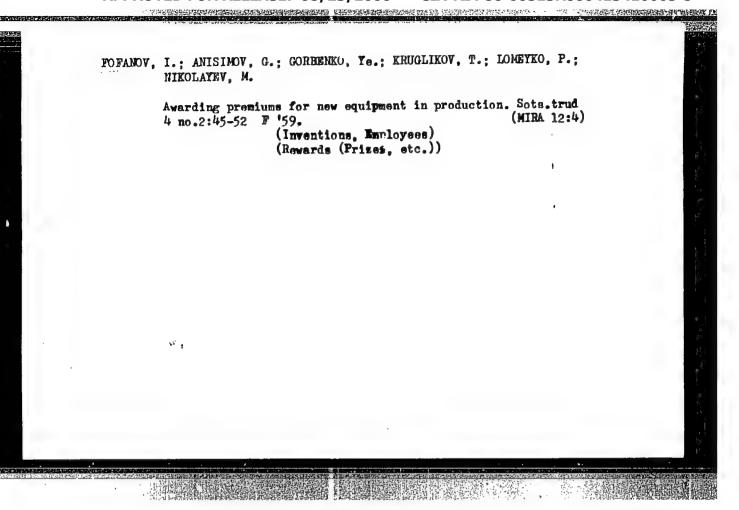
VOLODIN, A.I.; NIKUSHIN, A.I.; FOFANOV, G.A.

Means for saving diesel fuel. Elek. i tepl. tiaga 7 no.4:37-39 Ap '63. (MIRA 16:5)

la Sotrudniki Vsesoyuznogo nauchno-idaledovatel'skogo instituta zheleznodorozhnogo transporta.

(Diesel fuels)





SOV/122-59-4-17/28

AUTHOR:

Fofanov, I.G., Engineer

On the Basic Trends of Development of Machining Processes TITLE:

for Metals (Ob osnovnykh napravleniyakh razvitiya tekhnologii mekhanicheskoy obrabotki metallov)

PERIODICAL: Vestnik Mashinostroyeniya, 195934Nr 4, pp 64-67 (USSR)

ABSTRACT: Metal cutting accounts for about half the labour cost

in the manufacture of machines. The improvement of machining operations requires the introduction of new high output and specialised machine tools, including

automatics. New special machine tools, mainly unit-type and multi-station type, must be increased in percentage from about 3% in 1955 to 11% in 1965 (in the U.S.A., the proportion of automatic and semi-automatic machine tools

was 4.5% in 1953). The total saving during the 7-year plan will be 30,000 million rubles, compared with a total

investment of 16,000 million rubles. The greatest challenge is an advance in small batch and individual manufacture. (Even in the U.S.A., articles produced to a

Card 1/4 total below 25 components per annum occupy 90% of the total engineering production). Machine tools with

programme control can be a help in this connection.

SOV/122-59-4-17/28

On the Basic Trends of Development of Machining Processes for Metals Integrated automation is the distinguishing feature of the automatic production lines, which increases the produc-1300 lines will be introtivity of labour by 30-50%. 2.8 thousand million rubles duced during the 7-year plan. will be spent on the modernisation of existing machine The production of machine tools by conveyor belt methods is to reach 70% of the total. Special significance is attached to the application of production flow principles in small batches (multi-component group production lines and group machining of components with resetting of equipment by the method of Engineer Mitrofanov). Production lines will increase labour productivity by 20-30%. 8,000 new production lines for mass and large batch production are planned including multi-component small batch lines. A total saving of 3.5 thousand million rubles for an investment of 0.7 thousand million rubles is expected. To reduce auxiliary times, standardized advanced production fixtures including universal tooking systems, especially for small Card 2/4 batch manufacture, are foreseen. The mechanization and automation of assembly and fitting operations in the USSR

SOV/122-59-4-17/28

On the Basic Trends of Development of Machining Processes for Metals are still greatly behind the most advanced industries (motor car, electrical and radio) in the USA. Mechanized tools of pneumatic, electrical and hydraulic types are required in great quantities. Electro-erosion and ultrasonic machining methods will be greatly extended. reduction in the number of inspectors will be achieved by automatic adjustment and regulation of machining operations. Scientific research work is to be greatly expanded. Productionising of design will be considered of decisive importance and will be examined in the project stage. The majority of cutting tools in the USSR are made of steels 2-3 times less resistant than those used abroad. In the application of 18% tungsten high speed steel, the USSR lags behind the USA and England. All types of high output tool materials must be improved. The use of carbon tool steel should be entirely abolished. Carbide tipped tools should increase in percentage of the total from 12.8 to 22% between 1956 and 1965. The quality and limited range of grinding wheels has become a serious brake on grinding operations and must be improved. The rapid introduction

SOV/122-59-4-17/28
On the Basic Trends of Development of Machining Processes for Metals of new techniques requires incentive systems already approved by the Council of Ministers. The systems must be publicised and widely applied.

Card 4/4

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Card 2/11	**Present [1.3. Gerrilor, Deter of Schmical Sciences, Professor] Introduction [1.3. Gerrilor, Deter of Schmical Sciences, Professor] PART 1. Therat Am PALCHIE AN ANYMATTRIBE PROCESSES OF THE MUCHUS AND DESTRUCES INVESTIGATION Ch. I. The Elements of Typidisation of Manufacturing Processes in Machine Schlame [1.3. Demigration, Declared Frocesses] The Frankes connected with the typidisation of Manufacturing processes 2. Bando principles of classification of parts and typidisation of their monetages.	iprioremancys scaleyaniys i merevalentys resulting takhnologia meshinostrysting i prioremanysting (Present Sute of the Vancisaturing Processes in the Vachine and Indresent Industries hid freeds for Development) Number, Namyis, 1960, 563 p. 5,000 copies printed. Ed.: Anniching Sichaperich Carrillo, Decker of Sechinia Celences, Professiti (Manight) in T. Pahrwerity, Engineer; Ed. of Fabilishing Souses G.F. Schetows, Engineer; Tech. Zda.: T. Pahrwerity, Engineer; Ed. of Fabilishing Souses G.F. Schetows, Engineer; Tech. Zda.: T. Pahrwerity, Engineer; Ed. of Fabilishing Souses G.F. Schetows, Engineer; Tech. Zda.: T. Pahrwerity, Engineer; Ed. of Fabilishing Souses G.F. Schetows, Engineer; Tech. Zda.: The methics and interest and interest and interest of the compact of the fability of trudents and interest in the mention and interest of the processes and interest of the compact of the processes and interest of the processes and interest in the processing imperpution annihilate, alcotric mentions, and processing processing imperpution annihilate, alcotric mentions of paper, precision presented as the Albertian definiting, odd preservation, precision earliers, precision and interest variation of verific, ed.). The bonk annihilate of paper, precision and interest variation of verific defendences of the interest in the structure of paper, precision and interest variation and annihilate, alcotric of verific defendences accessed in the first of the interest of the interest in the structure of the interest	814/4.06 EXECUTABLE TOOL I ESTAL

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SOV/4718 Present State (Cont.) TECHNICAL-ECONOMIC PRODUCTION PROBLEMS PART III. IN THE MACHINE AND INSTRUMENT INDUSTRIES Ch. XX. Problems of Standardization and Typification in the Machine and Instrument Industries as Related to Problems of Introducing Advanced Manufacturing Processes [A.Ye. Vyatkin, Engineer] 518 1. Basic problems and practice of introducing standardization, typification and unification 518 2. Interchangeability and technical measurements in the machine and in-528 strument industries; problems involved 3. Problems of the economic effectiveness of introducing new machinery as related to practical standardization and typification 531 Ch. XXI. Unused Capacity in Machine Building; Industrial Standards [E.A. Satel', Doctor of Technical Sciences, Professor] 535 Methods for Determining the Economic Effectiveness of Introducing 546 New Machinery [I.G. Fofanov, Engineer] Ch. XXIII. Prospective Plans for the Introduction of Advanced Processing in the Metalworking and Machine-Building Establishments [V.V. Matveyenko, Engineer]
Library of Congress (TJ1160.G34) VK/wrc/sfm AVAILABLE: Card 11/11 2/15/61

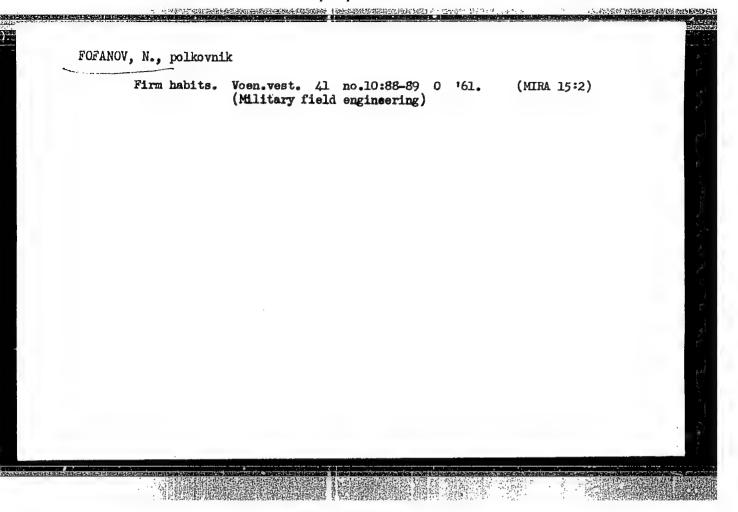
FOFANOV, I.G.

Machines should be durable. Izobr. i rats. no.11:26-29 N :60.
(MIRA 13:10)

1. Glavnyy spetsialist Gosudarstvennyy nauchno-tekhnicheskogo komiteta Soveta ministrov SSSR.

(Machinery--Technological innovations)

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FOFANOV, O. N.

Cand Tech Sci - (diss) "Method of compensation of forces and its use for graduating and checking of dynamometers." Novosibirsk, 1961. 12 pp; (Academy of Sciences USSR, Siberian Division, Joint Academic Council for Phys-Math and Tech Sci); 220 copies; price not given; (KL, 10-61 sup, 219)

FOFANOV, N.V., insh.

Focusing the signal mechanism equipped with ZhS-11 and ZhS-12 lamps.

Avtom., telem. 1 sviaz' 2 no.6:37-38 Je '58. (MIRA 11:6).

1. Kontrol'no-izmeritel'nyy punkt 5-y distantsii signalisatsii i svyasi Stalinskoy dorogi.

(Railroads—Signaling)

AUTHOR: Fofanov, O.N. SOV-115-58-4-15/45

TITLE: A Method and Apparatus for the Calibration and Checking of Dynamometers (Metod i apparatura dlya graduirovki i

poverki dinamometrov)

PERIODICAL: Izmeritel'naya tekhnika, 1958, Nr 4, pp 28-30 (USSR)

ABSTRACT: A method of checking and calibrating dynamometers is described. The effectiveness of this method was tested by

experiment, using a KGM-5 apparatus capable of reproducing forces up to 5,000 kg. The results demonstrated the practicability of a dynamometer checking machine incorporating a constant power gage and a device for the periodic calibration of this gage from the constant mass load. For this purpose a KGM-50 apparatus was constructed, designed for checking and calibrating dynamometers up to 50 tons. The operation and characteristics of this apparatus are given. There are 4 tables and 2 schematic diagrams.

1. Dynamometers--Calibration

Card 1/1

£8(5)

SOV/115-59-3-14/29

AUTHOR:

Fofanov . O.N.

TITLE:

An Electromechanical Pull Dynamometer for 50,000 kg

(Elektromekhanicheskiy tyagovyy dinamometr na

50000 kgs

PERIODICAL:

Izmeritel'naya tekhnika, 1959, Nr 3, pp 25-26(USSR)

ABSTRACT:

Electric dynamometers containing wire transducers require more attention and qualified service than mechanical dynamometers. Therefore mechanical dynamometers will be preferred when direct visual observation of the readings is possible. The author suggests a universal dynamometer which functions either as a mechanical or as an electrical dynamometer. Figure 1 shows the design of this device. It consists of a stretch bar fastened to two holding devices, one of which has a tubular shape. An elastic joint between the two holding devices protects the stretch rod from torsional forces. Loads exceeding the capacity of the stretch bar and prevented by

Card 1/3

SOV/115-59-3-14/29

An Electromechanical Pull Dynamometer for 50,000 kg

a mechanical connection of the two holding devices. With this dynamometer, mechanical and electric measurements of pulls may be performed. A difference in the readings of the mechanical and the electrical channel, exceeding the range of permissible errors, will indicate defects immediately. electrical part of the bridge is shown by figure 2. It consists of a bridge with four active arms composed of constant wire transducers glued by glue BF-4 to the stretch rod. Actually, there are four such bridges, which may be used, if the first one shows defects. For determining the forces acting on the dynamometer, a lever indicator with a dial is used for the mechanical part. For the electrical channel, standard automatic electronic bridges and potentiometers may be used, for example, bridge EMD-112 and potentiometer EPD-02. Three models of the dynamometer were built and tested according to Instruction 20-49 of the Komitet standartov, mer i

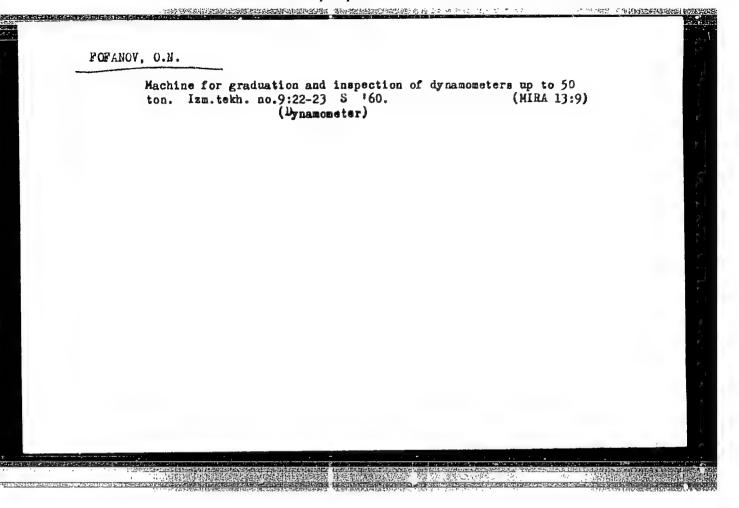
Card 2/3

SOV/115-59-3-14/29

An Electromechanical Pull Dynamometer for 50,000 kg

izmeritel'nykh priborov (Committee of Standards, Measures and Measuring Instruments). The mechanical part showed deviations of 200 kg while those of the electrical part were one and a half times below this value. The tests were repeated after two months, whereby the error did not exceed 250 kg for all load ranges. There are: 1 drawing and 1 circuit diagram.

Card 3/3



ACC NR: AP7002684

SOURCE CODE: UR/0244/66/025/006/0003/0009

AUTHOR: Klyushkina, N.S. (Moscow); Fofanov, V. I. (Moscow)

ORG: none

TITLE: Isolation of proteins from unicellular algae

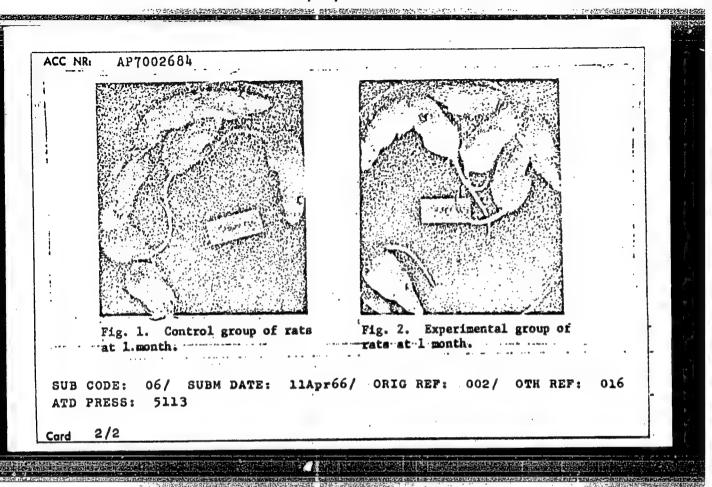
SOURCE: Voprosy pitaniya, v. 25, no. 6, 1966, 3-9

TOPIC TAGS: algae, animal nutrition, protein extraction, life support

ABSTRACT Ninety percent disintegration of protococcal seaweed cells was accomplished by using a homogenizer with a propeller-type mixer at 14,000 rpm, and a microscopic abrasive as the disintegrating agent. Albumen was easily extracted from the disintegrated cells by using a weak alkaline solution and acid precipitation of the cells (pH 4.5—5.0). Digestion of protococcal albumen was twice as high as the digestion of unprocessed biomass. White rats fed on this bleached albumen for 4 months showed a positive nitrogen balance without any signs of intoxication. No reproductive disorders were observed. Figs. 1 and 2 show the comparative sizes of rats in the control and experimental groups.

C-- 1/2

UDC: 613.26:582.26-113.44



KRAVCHENKO, A. T.; FOFANOV, V. I.

Protective action against radiation sickness of native and purified concentrated sera of irradiated animals. Med. rad. no.12: 46-50 '61. (MIRA 15:7)

(RADIATION SICKNESS) (SERUM)

KRAVCHENKO, A.T.; FOFANOV, V.I.

Protective action against radiation sickness of natural sera from irradiated animals. Med.rad. 6 no.8:23-27 Ag '61. (MIRA 14:8)

(GAMMA RAYS-PHYSIOLOGICAL EFFECT) (SERUM) (IMMUNITY)

SAVVE, V.D.; FOFANOV, V.I.; NIKITINA, V.D.

Use of the multimembrane electrodecantation method in the purification and concentration of proteinase. Vop. med. khim. 7 no.5:532-537 S-0 '61. (MIRA 14:10)

1. The Research Institute of Sanitation of the Ministry of Devense of the U.S.S.R. (PROTEINASE)

CIA-RDP86-00513R000413410003-5

ACCESSION NR: AP4003200 . s/0241/63/008/012/0055/0059

AUTHOR: Fofanov, V. I.; Kravchonko, A. T.

TITLE: Study of the feasibility of preparing immune sera for alleviating radiation sickness in test animals

SOURCE: Meditsinskaya radiologiya, v. 8, no. 12, 1963, 55-59

TOPIC TAGS: serum, immune serum, radiation sickness, serum globulin, serum protein, radioresistance, radioprotector

ABSTRACT: Specific antigens were separated from serum of irradiated rats by an aluminum hydroxide sorption method to make immune sera. In the first of two experimental series albino rats received single, double, or triple (at 7 day intervals) immunization with the sera; before irradiation. The animals were then irradiated with single therapeutic effects in the second experimental series. In this series animals were gamma-irradiated with single 500 r doses and the serum preparations were administered intraperitoneally 1 hr later. Survival of animals, course of radiation sickness, and leukocyte level served as indices. Results show that triple immunization becomd1/2

ACCESSION NR: APLO03200

fore irradiation increases radioresistance of animals, but single and double immunization are less effective. Serum from triple immunized animals administered before irradiation has the same effect on survival and alleviation of radiation sickness as triple immunization with 7 day intervals. Immunized nonirradiated animals can also be used to obtain immune serum. Serum preparations administered 1 hr after irradiation do not prevent the development of leukopenia, but the leukocyte level is higher in animals who have recauved serum resulting from triple immunization. Separation of specific antigens from serum for immune sera is feasible and requires further development for more effective immunization. Orig. art. has: 3 tables, 1 figure.

ASSOCIATION: none

SUBMITTED: 25Nov61

DATE ACQ: 09Jan6h

ENCL: 00

SUB CODE: AM

NO REF SOV: OOL

OTHER: 002

Card 2/2

ACC NA: AT6036582

SCURCE CODE: UR/0000/66/000/000/0206/0207

AUTHOR: Klyushkina, N. S.; Troitskaya, 1. T.; Ushakov, A. S.; Fofanov, V. I.

ORG: none

TITLE: The problem of the nutritional value of proteins from unicellular algae Paper presented at the Conference on Problems of Space Medicine held in Moscow from 24 to 27 May 1966]

SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966, Problemy kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii, Moscow, 1966, 205-207

TOPIC TAGS: life support system, closed ecological system, space nutrition, space.

ABSTRACT: Proteins constitute from 8-88% of unicellular algae depending on the method of their cultivation. The present experiment was performed in order to determine the nutritional value of algal proteins.

The biomass of algae, obtained by the open cultivation method, was subjected to discoloration by alcohol. This process removed a significant amount of pigments, toxins, and allergens. The digestibility of proteins in the discolored mass, as determined in vitro, reached 70%.

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L 10766-67 ACC NR: AT6036582 Experiments were performed on rats which were placed on diets whose only protein source was unicellular algae (Chlorella and Scendesmus). Rats fed on casein and soya-bean proteins were used as controls. Experimental feeding was continued for 122 days. Observations were performed with respect to weight, growth, effectiveness of digestive processes, and nitrogen balance, as well as a series of biochemical indices which indicate the value of the protein component of nutrition Generative functions and immunological resistance of the experimental animals were also tested. The results indicate that Chlorella and Scenedesmus proteins possess great biological value. At the same time a certain retardation in the	0	
great biological value. At the same time a certain retardation in the weight increase of experimental animals was noted. This confirms the known data concerning the deficit of sulphur-bearing amino acids in proteins of vegetable origin. [W.A. No. 22; ATD Report 66-116] SUB CODE: 06 / SUBM DATE: OOMay66		
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FOFANOV, V.P., nauchnyy sotrudnik

Work forms and methods of departments for the organization of the public health system and the history of medicine at medical institutes and institutes for advanced medical training in assistance to public health agencies and institutions. Zdrav. Ros. Feder. 5 no. 2:25-31 F *61. (MIRA 14:2)

1. Iz nauchno-organizatsionnogo otdela (zav. - prof. S.M.
Danyushevskiy) Instituta organizatsii zdravookhraneniya i istorii
meditsiny imeni N.A. Semashko.

(PUBLIC HEALTH)

BARKMAN, E.M., prof.; FOFANOV, V.P.

Teaching of disability evaluation in medical institutes. Zdrav. Ros. Feder. 6 no.4:11-15 Ap 162. (MIRA 15:4)

BARKMAN, E. M.; FOFANOV, V. P.

"Collection of scientific and practical works on the organization of the public health system and the history of medicine". Reviewed by E. M. Barkman, V. P. Fofanov. Zdrav. Ros. Feder. 6 no.6:38-39 Je '62. (MIRA 15:7)

(PERM PROVINCE DISEASES REPORTING)
(PUBLIC HEALTH)

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BARKMAN, E.M., prof.; FOFANOV, V.P., assistent

Work of the Department for the Organization of Public Health Service of the Central Institute for the Improvement of Physicians in carrying out periodic out-of-town activities. Zdrav. Ros. Feder. 7 no.5:21-23 My¹63. (MIRA 16:6)

1. Iz kafedry organizatsii zdravookhraneniya (zav. - prof. N.A.Vinogradov) TSentral'nogo instituta usovershenstvovaniya vrachey (rektor M.D.Kovrigina).

(FUHLIC HEALTH)

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SURKOV, V.D.; FOFANOV, Yu.F.

Value of Reynold's critical number in vibrating flows. Izv. vys. ucheb. zav.; pishch. tekh. no.6:102-107 163.

(MIRA 17:3)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti, kafedra tekhnologii moloka.

FOFANOV, Yu.P.

Surgeon's technique in a bilateral pneumothorax. Trudy TSIU 59:173-181 '63. (MIRA 17:9)

1. III khirurgicheskaya klinika (zav. prof. V.I. Kazanskiy) TSentral'nogo instituta usovershenstvovaniya vrachey na baze TSentral'noy klinicheskoy bol'nitsy Ministerstva putey soobshcheniya (nachal'nik zasluzhennyy vrach RSFSR V.N. Zakharchenk).

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LOPUKHOV, Petr Mikhaylovich; FOFANOVA, L., red.; MOKROUSOVA, A., tekhn. red.

[Rank and file members of the power engineering industry]
Riadovye sluzhby energetiki. Saratov, Saratovskoe knizhnoe
izd-vo, 1963. 19 p. (MIRA 17:1)

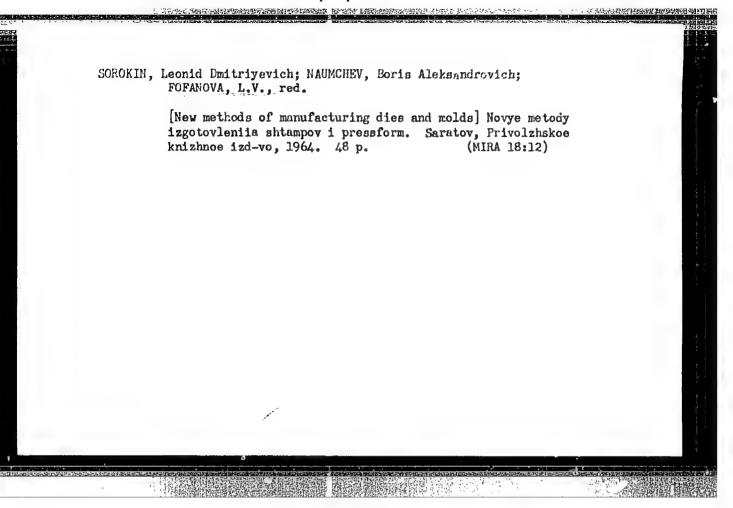
MOLDAVSKIY, Olog Petrovich, MARKUSHIN, Gennady Mikolayevich; FOLYAKOV, Lev Petrovich; RAZUVAYEV, Vladimir Dmitriyevich; FOFANOVA, L., red.

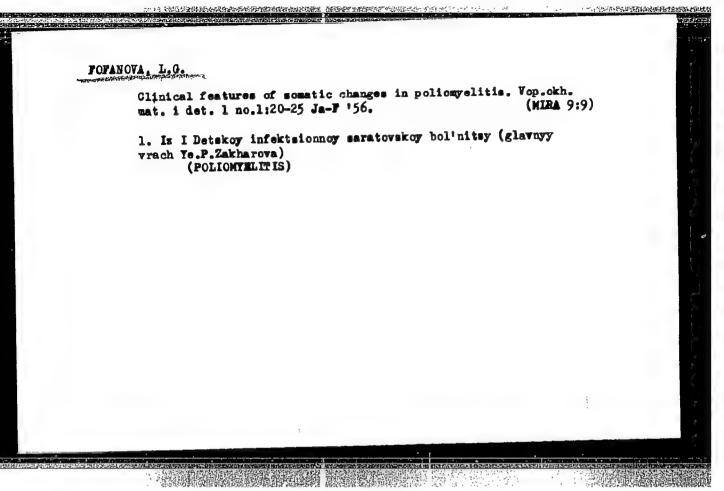
[Improving boring equipment and technology] Sovershenstvovanie tekhniki i tekhnologii bureniia. [By] 0.P. Moldavskiy i dr. Saratov, Saratovskoe knizhnoe izd-vo, 1963. 80 p. (MIRA 17:7)

MELKOV, Mikhail Fetrovich, doktor tskhn. nauk; FOFAHOVA, L., red.

[Electrolytic building-up of machine parts with solid 'ron]
Elektricheskoe narashchivanie detalei mashin tverdym zhelezom. Saratov, Frivolzhskoe knizhnoe izd-vo, 1964. 203 p.

(MIRA 17:10)





HAZAROVA, E.M.; KONYAKHINA, V.N.; TSANEVA, T.I.; FOFANOVA, L.G.

Use of amino acids in the heatment of acute poliomyelitis. Vop.okh.

mat. i det. 1 no.1:37-43 Ja-F 156. (MIRA 9:9)

1. Ha baze 1-y gorodskoy detskoy infektsionnoy bol'nitsy Saratova.

(POLIOMYELITIS)

(AMINO ACIDS--THERAPEUTIC USE)

MAKAROV, G.N.; KOROLHY, Yu.G.; VORONIN, M.A.; BOGOSLOVSKIY, Ku.N.; FOFONOVA, M.Ya.

Effect of various factors on the yield of volatile products from the carbonization of a thin loosely-embedded layer of the coal charge MKGZ. Trudy MKHTI no.28:73-78 '59. (MIRA 13:11) (Coal--Carbonization)

FOFONOVA, R.M.

Experimental determination of the binding energy of complexes in compounds with conjugate bonds. Izv.vys.ucheb.zav.; fiz. no. 3:84-88 '63. (MIRA 16:12)

1. Sibirskiy fiziko-tekhnicheskiy irstitut pri Tomskom gosu-darstvennom universitete imeni Kuybysheva.

SYMBLIVA. N.V.: FOFONDVA, R.M.:

Determining the equilibrium constants in the process of complex formation of aminobenzoic and aminooxobenzoic acids and their sodium salts with dinitrobenzenes. lzv.vys. ucheb.zav.;fiz. no. 2:46-48 164. (MihA 17:6)

1. Sibirskiy fiziko-tekhnicheskiy Institut pri Tomskom gosudars'- vennom universitete imeni Knybysheva.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000413410003-5"

FOFANOVA, TA.

Category: USSR/Solid State Physics - Mechanical properties of crystals and poly- E-9

crystalline compounds

Abs Jour : Ref Zhur - Fizika, No 1, 1957 No 1370

Author : Arkharov, V.I., Ivanovskaya, S.I., Kolesnikova, N.M., Fofanova, T.A.

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Inst : Inst. of Metal Physics, Ural Branch, Acad. Sci. USSR; Ural Polytechn. Inst.,

USSR

Title : On the Mechanism of the Influence of Phosphorus and Molybdenum Admixtures

on the Temper Brittleness of Steel

Orig Pub : Fiz. metallov i metallovedeniye, 1956, 2, No 1, 57-65

Abstract: Specimens of chrome-nickel structural steel with normal and increased content of P (within its solubility limits) were heat treated to produce a

viscous or a brittle state. The fracture surfaces were chemically analyzed using the Tananayev chipless method. It was established that the content of P is substantially higher in the surface layer of brittle (inter-crystallitic) fracture than in that obtained in impact fracture (the latter has in the surface layer a content of P that is equal to the average value obtained by usual chemical analysis for the alloy as a whole). Analogous results were obtained with steels of the same composition, but with Mo added;

Card : 1/2

Category: USSR/Solid State Physics - Mechanical properties of crystals and poly-

crystalline compounds

Abs Jour : Ref Zhur - Fizika, No 1, 1957 No 1370

in these cases the enrichment of P in the surfaces of the brittle fracture is less than in steels without molybdenum. It is also established that the diffusion of phosphorus in steel is predominantly along the grain boundaries. The results are explained from the point of view of the theory of the internal inter-crystallitic adsorption of P (Arkharov, V.I., Dokl. AN SSSR, 1945, 50, 293).

Card : 2/2

FOFANOVA, T.H.

CAND PHYSICOMATH SCI.

Dissertation: "Spectroscopy of Super-Giants."

1 December 49

State Astronomical Inst. imeni P.K. Shternberg, Moscow Order of Lenin State V imeni M.V. Lomonosov.

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FOFANOVA, T. M.

Fofanova, T. M. - "On the effect of dispersion of the spectrograph in studying star spectra and the sun", Izvestiya Glav. astron. observatorli v Pulkove, Vol. XVIII, 1, No. 142, 1949, p. 94-96.

SO: U-411, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 20, 1949).

FOFF, A.; VACLAVIK, J.

Management of workshops. p.70. (Textil, Praha, Vol. 9, no. 3, Mar. 1954)

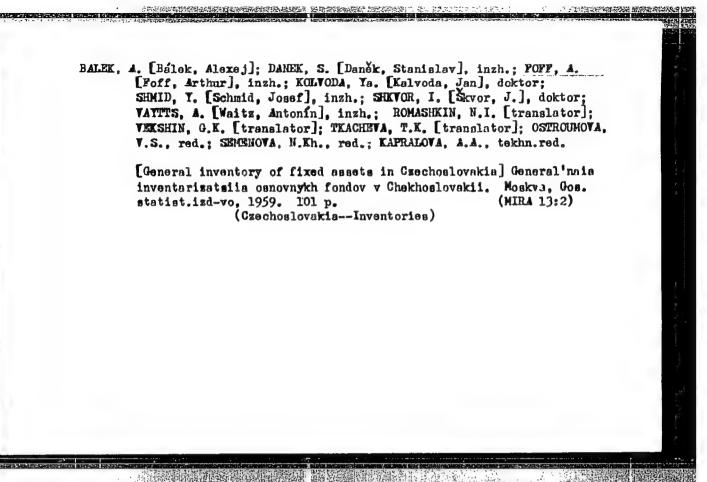
SO: Monthly list of East European Accessions (EEAL), LC Vol 4, No. 6, June 1955, Uncl

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FOFF, A.

Remarks on the general inventory. p. 331. (Textil, Praha, Vol. 9, No. 11, Nov. 1954)
SO: Monthly list of East European Accessions (EEAL), LC Vol 4, No. 6, June 1955, Uncl

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FOFF, J.

Organic coatings as protection of iron against corrosion. (Conclusion) p. 71. How it is possible to improve the transportation of workers on railroads. Tr. from the German. p. 72. (Zeleznice, Praha, Vol. 4, no. 3, Mar. 1954)

SO: Monthly list of East European Accessions (EEAL), LC Vol 4, No. 6, June 1955, Uncl

FOFF, J.

Mechanical cleaning of outer walls of passenger cars and chances of increased corrosion by cleaning. p. 91.

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ZELEZNICNI DOPRAVA A TECHNIKA. (Ministerstvo dopravy)
Praha, Czechoslovakia
Vol. 7, no. 3, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11. Nov. 1959 Uncl.

ARTTUOIN, I.; FQFLIN, M.

Electric stand for studying treffic regulations. Avt. transp. 36 no. 6:42 Je '58. (MIRA 11:7)

(Treffic regulations—Study and teaching)

MIKHAYLOV, G.P.; MASLOV, Yu.A.; FOFONOV, A.A.; GALAKTIONOV, A.T.;

BOBKOV, Ye.I.; NIKOHOV, I.P.; DENISOV, Yu.A.; SHAPKOV, B.K.;

SHATOV, M.YA.; MIKHAYLOV, S.I.; PETUNIN, I.V.; KHOVAMETS, V.K.;

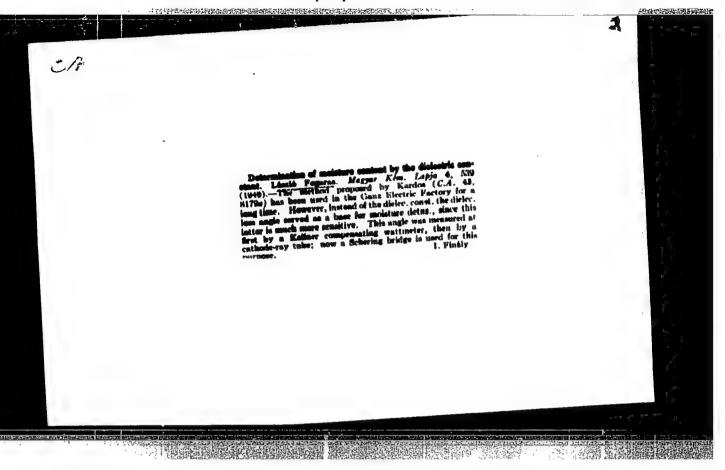
KOCHEVA, G.I.; LABUTIWA, E.A.

In memory of A. I. Akhun; an obituary. Svar.proizv. no.12:46 D '57.

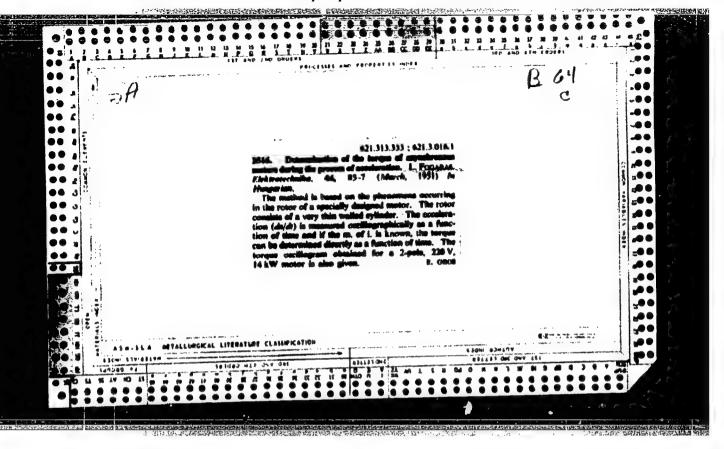
(MIRA 11:1)

1.Sotrudniki Ka. edry "Oborudovaniye i tekhnologiya svarochnogo proizvodatva" Urel'skogo politekhnicheskogo instituta imeni S.D. Kirova.

(Akhun, Alekdandr Il'ich, d. 1957)

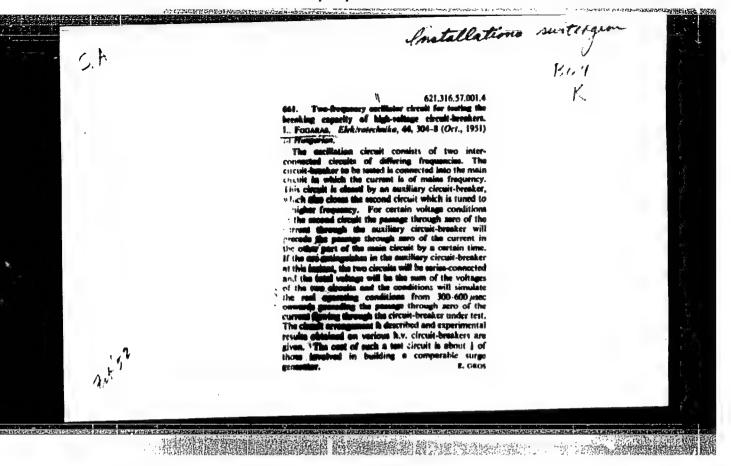


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26. Short-circuiting	multiple winding transformers	- Tobbtekarenes tra	5t. 50	
formator rovidrezarase	- by L. Fogaras, (Electrica c. 1-2, pp. 57-50, JanFeb. 1	L'Engineering - Elek	tro-	
recuming - vor- viti no	o. 1-2, pp. 5/-50, Janreb. 1	951, 2 11E8.)	"	
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"Automatic Static voltage regulator for generators" p. 131; "Rovement for the happrovement of quality in the Humparian Electrotechnical Accomistion". U.1, (ELEER

TROTECHNIEL, Vol. 16, no. 5, May 1953, budapest, Hungary)

SO: Monthly List of East European Accessions, L.C., Vol. 2, No. 11, Nov. 1953, Uncl.

Winingarian-Seviet Friendship North", P. 65, WINDATEGE, Vel. 2, No. 3, Narch 1954, Endepost, Hungary)

SC: Northly List of East European Accessions (EEAL), LC, Vol. 4, No. 3, Narch 1955, Uncl.

FOGARAS, L.

"Present State of the Manufacture of Prime Necessities; a Letter to the Editorial Board." p. 660 (MAGYAR TECHNIKA. Vol. 9, No. 11, Nov. 1954; Budapest, Hungary.)

So: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 4, April 1955, Uncl..

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POJAMAS, L.

"We Should Make the Work of Scientific Societies more Intensice. Tr. From the Russian." p. 663 (MAGYAR TECHNIKA. Vol. 9, No. 11, Nov. 1954; Budapest, Hungary.)

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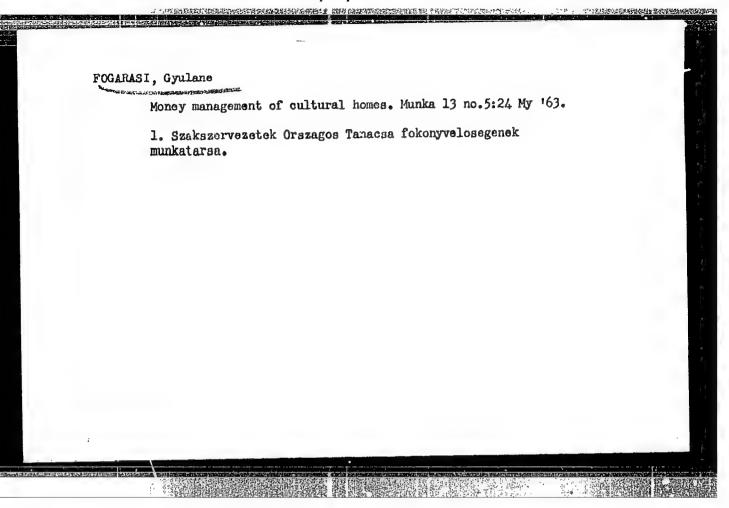
"Jezof Hisha's Villamos posek. V. Czerkezettan (Flechric Machine. V. Theory of Structures); A Book Review, E. 351, (Zimine Machine. V. A7, Rc. 11, New. 1957, Budapest, Hungary)

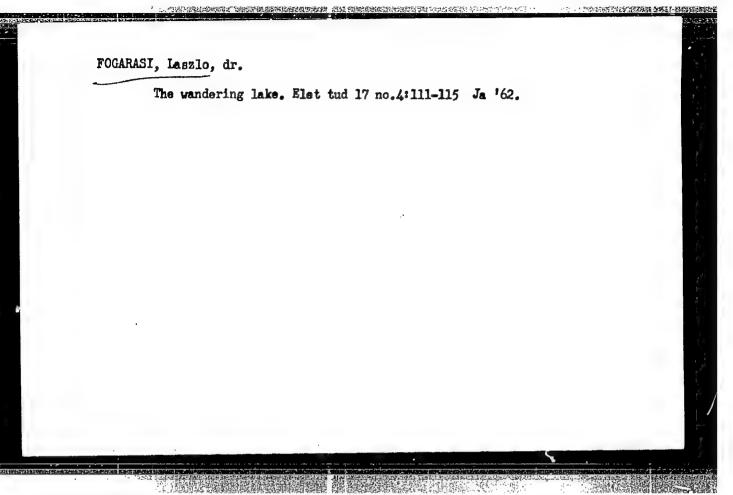
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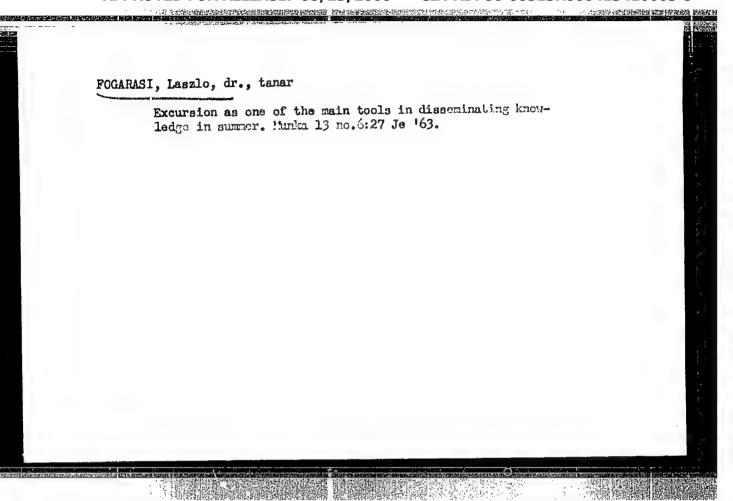
FCGARASI, Gyulane

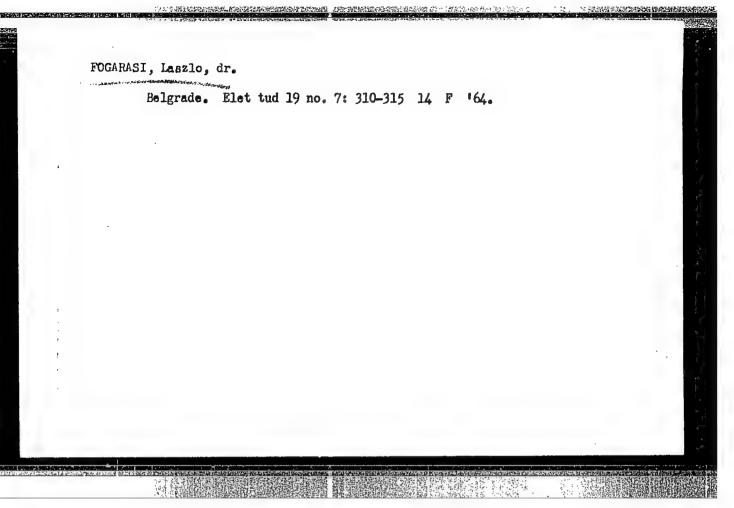
The director's funds - cultural expenses. Munka 10 no.12:22-23 p '60.

1. Szakszervezetek Orszagos Tanacsa kulturalis osztalyanak munkatarsa.









FOGARASI, M.

Melyepitestudomanyi Szemle - Vol. 5, no. 3, Mar. 1955.

Two weeks at the construction site of the hydroelectric plant in Kahovka. p. 112.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955 Uncl.

FOGARASI, Mihaly

What was the matter of the deliberations of the specialists of road construction? Auto motor 15 no.2:3 Ja 162.

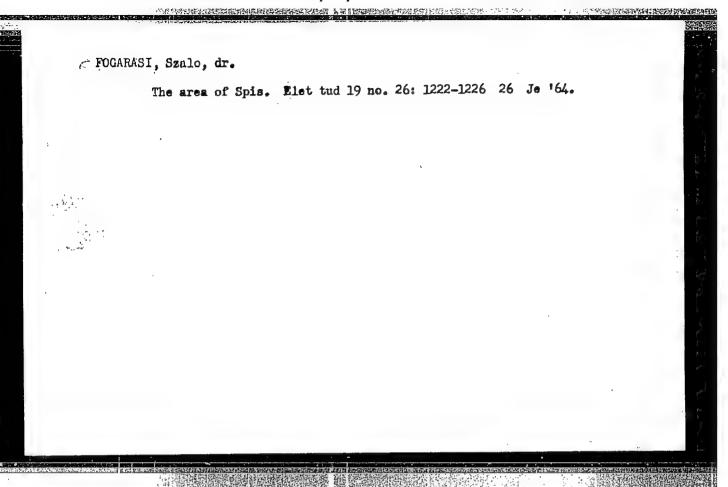
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1. A KPM Ut- es Hidfoosztaly osztalyvezeto formernoke.

FOGARASI, Mihaly, fome onck

Forthcoming tacks of the construction industry is the service of our transportation newwork. Kozleked kozl 21 no.8:127-128 21 F 165.

1. Ministry of Transportation and Postul Affairs, Budglest.



FOGARASSY, Balint; PALINKAS, Jozsef

Quartz, atom and molecule clocks. Fiz szemle 8 no.10:311-316 D '58.

1. Kozponti Fizikai Kutato Intezet.

3 COURS IN /0074/65/013/002/0047/0106 AP6020861 ACC NR: 4.19 AUTHOR: Fogarassy, Balint \mathcal{E} ORG: Contral Research Institute for Physics (Kozponti Fizikai Kutato Intezet) TITLE: Conductivity characteristics of solids SOURCE: Hagyar fizikai folyoirat, v. 13, no. 1, 1965, 47-106 TOPIC TAGS: thermomagnetic effect, thermoelectric property, gal ranoragnetic effect ABSTRACT: The dynamic properties of the electron moving in the potential periodic field were investigated and the solution of the transport equation was derived in the form of a series transformation according to external factors such as electrical field, temperature gradient, and magnetic field. The generalized solution was applied to approximations of various degrees of order. The thermo-electrical, galvano-magnetic, thermomagnetic, and galvano-thermo-magnetic effects were discussed in terms of these approximations. The validity range of the relaxation-time approximation was determined. In an appendix, (pp 93-106) methods for the calculation of some commutators and verification of the lemmas presented in the text were described. Orig. art. has: 355 formulas. [JPRS] SUB CODE: 20 / SUEM DATE: 10Jul64 / ORIG REF: 002 / OTH REF: 056 Card 1/1

FOGARASSY, Ibolya, dr.

Control studies on the agar-fixation test in the diagnosis of cancer. Orv. hetil. 101 no.29:1015-1018 17 J1 '60.

1. Az Orszagos Onkologiai Inteset Kosponti Laboratoriuma (MEOPLASMS diag) (AGAR)

FOGARASSY, Laszlo (Pozsony)

Contribution to the history of the No.5 Red Division. II.
Borsod szemle 7 no.1:73-79 '63.

1. Tudomanyos kutato.